

Alternatives to Waste Disposal

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Revised Edition**



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Center**



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This publication contains material that is considered accurate, readable, and available. The opinions expressed in this publication do not necessarily reflect the views of the United States Department of Agriculture. Inclusion of citations to publications, software, and databases in this publication does not imply product endorsement.

INTRODUCTION

According to reports prepared by Franklin Associates, Ltd for the United States Environmental Protection Agency, the United States generated 209.1 million tons of municipal solid waste in 1994. The distribution of waste by weight for 1994 was: 38.9% paper and paper board, 14.6% yard wastes, 9.5% plastics, 7.6% metals, 7.0% wood, 6.7% food wastes, 6.3% glass, 3.2% other wastes, 3.1% textiles, and 3.0% rubber and leather. It is critical to note that many of the materials in our landfills could easily be disposed of through alternate methods. [These figures were all reported in the 1996 edition of *The Statistical Abstract of the United States*.]

In responsible recognition of these facts, communities need to become creative in their methods for disposing or managing solid waste from plastics and paper to motor oil and yard waste. Solid waste disposal has become a major concern in rural areas. It potentially threatens public health, ruins the environment, and hinders economic development because of an overall poor impression of the area. Recycling, composting, and vericomposting are the methods emphasized in this publication. These techniques are relatively easy and inexpensive alternatives for individuals, small communities, and rural areas to use to take positive steps toward solving solid waste management and disposal dilemmas that plague many areas.

Where and how to begin is a critical issue for all communities, especially rural communities with limited resources. This bibliography serves as a starting point for small communities and concerned individuals to examine the issues and begin to plan feasible programs. Keeping apprised of the regulations and new technologies benefits the planning process. The Additional Resource Section provides information sources of officials to contact, journals, newsletters, and additional significant information necessary for decision-makers and others in the communities.

This publication is designed to make the variety of available resources easily available. *Alternatives to Waste Disposal* is comprised of bibliographic citations and other information sources. These references are not inclusive. They were selected as a representative sample of the available resources. Although the majority of the works cited are recent, a few older publications were selected because of their quality and overall contribution to the literature.

With the recent rise in popularity of information networked electronically through the Internet, especially its World Wide Web interface, and a nearly countless multitude of Intranets, it is tempting to use a publication such as this to collect these information sources. In late 1997 the average lifespan of a site on the World Wide Web was 45 days making these transient resources too unstable to assemble. We have added Internet and E-mail addresses for many of the Associations. The author encourages the user to seek more information about this topic through the use of Internet resources by consulting your local library.

Please consult your local libraries to locate materials listed in this publication. The National Agricultural Library (NAL) call numbers are provided for the items owned by NAL. Refer to the "Document Delivery Services to Individuals" lending policy for information on obtaining those documents with NAL call numbers that are unavailable through your local libraries.

Books

This is a sample listing of the tremendous variety of books, handbooks, manuals, and guides available about alternative methods of solid waste disposal. Many are specialty books about different aspects of solid waste disposal: recycling, composting, specific recyclable materials, household hazardous wastes, collection methods, or waste disposal methods. These books are written for a wide variety of audiences: municipal officials, individuals or groups concerned about the environment, researchers, educators, and children.

1

Case Studies in Rural Recycling. Stephen D. Cosper, William H. Hallenbeck, and Gary R. Brenninman. Chicago, IL: Office of Solid Waste Management, School of Public Health, University of Illinois at Chicago, 1994. 108 p. NAL Call No.: TD794.5.C67 1994.

Case studies from Colorado, Illinois, Indiana, Iowa, Minnesota, Tennessee, and Ontario, Canada illustrate the success and struggles of rural recycling programs. Cooperative marketing among rural areas is also discussed. This book contains a bibliography.

2

Changing Waste in Changing Times: Solid Waste and Natural Resource Issues in Rural Alaska -- A Teacher's Guide. Shirley Moses. Seattle, WA: Northwest Renewable Resources Center, 1994. 119 p.

This is a hands-on guide for teachers. Its activities highlight the increasing numbers and types of solid waste management problems through exploration of the alternatives. The publication is designed to encourage the development of grassroots programs to target local areas. It is available from the Northwest Renewable Resources Center, Suite 1510, 1311 Fourth Avenue, Seattle, WA 98010-2216.

3

Household Hazardous Waste: Steps to Safe Management. Communications Services Branch, Office of Solid Waste. Washington, DC: U.S. Environmental Protection Agency, U.S. Government Printing Office, 1993. 8 p.

This booklet gives clear definitions and explanations of hazardous waste, the dangers of improper disposal, safe management methods, collection days, and ways to reduce and recycle. Listed are useful publications, available at no charge by calling the EPA hotline at 800-553-7672.

4

Joining Forces on Solid Waste Management Regionalization is Working in Rural and Small Communities. United States. Office of Solid Waste. Washington, DC: Environmental Protection Agency, 1994. 40 p.

This book showcases the techniques and results that may be achieved through cooperation between agencies and individuals for managing solid waste in rural areas. Includes bibliography.

5

Lending a Helping Hand: The EPA/GRCDA/NRC Peer Match Program. Silver Spring, MD: Environmental Protection Agency, Governmental Refuse Collection and Disposal Association, and National Recycling Coalition, [1994]. 10 p.

The "peer matching program" was established by the Environmental Protection Agency, the Governmental Refuse Collection and Disposal Association, and the National Recycling Coalition to help states and communities to find solutions to their solid waste management problems. The program matches experts and government officials with municipalities that need assistance with their solid waste issues.

6

Market-Based Planning and Implementation Guide for Local Recycling Programs. Michael Alexander. Lexington, KY: Council of State Governments, 1993. 44 p.

This book discusses the planning and operation of local recycling programs based on the demands of the materials market. Topics include: waste analysis, program design, identifying the market, securing the market, and developing the market.

7

The McGraw-Hill Recycling Handbook. Herbert Lund, ed. New York: McGraw-Hill, 1993. 1 Vol., 200 p.

This in-depth, comprehensive handbook covers all aspects of recycling. Chapters include: an overview, legislative evaluations, waste streams, setting goals and priorities, separation and collection systems, processing facilities, marketing development, public awareness programs, recyclable materials, household hazardous wastes, drop-off and transfer stations, planning and implementation, training, and information sources.

8

Recycling Equipment and Technology for Municipal

Rural Information Center Publication Series

Solid Waste. Joseph T. Swartzbaugh. Park Ridge, NJ: Noyes Data Corporation, 1993. 150 p. NAL Call No: TD794.5.R4315 1993.

Equipment and methods for separation and handling of municipal waste at material recovery facilities are the focus of this book.

9

Recycling Solid Waste: The First Choice for Private and Public Sector Management. Thomas E. Duston. Westport, CT: Quorum Books, 1993. 200 p.

Written to promote integrated waste management, specifically recycling, all facets are covered from planning through implementation to evaluation. The author shows how recycling may often be the least costly method for dealing with the majority of solid waste.

10

Recycling Sourcebook: A Guide to Recyclable Materials, Case Studies, Organizations, Agencies, and Publications. Thomas J. Cichonski and Karen Hill, eds. Detroit, MI: Gale, 1993. 563 p. NAL Call No.: TD794.5.R443 1993.

This sourcebook is an invaluable guide containing a wealth of material including: current trends and practices, recycling in the community, and recycling organizations, agencies, and publications. There are numerous case studies useful to rural communities, especially: "Beyond the Bright Lights: Six Rural Recycling Programs," by Tom Watson on pp. 135-138, and "Rural County Recycling Challenge," by Ken Perkins and Bev Shane on pp. 127-133.

11

Roadside Dumping: Possible Solutions. G. Sloggett, K. Goodwin, and G. Doeksen. OSU Extension Facts, No. F-900. Stillwater, OK: Cooperative Extension Service, Division of Agriculture, Oklahoma State University, August 1993. 6 p. NAL Call No.: S544.3.0505

Roadside dumping rather than sanctioned solid waste disposal in rural areas is a difficult problem to solve. This booklet gives possible solutions and strategies for changing waste disposal behaviors.

12

Rural America: The Solid Waste Issue Hits Home. Daniel Schaffer and James Malia. Knoxville, TN: The Center for Rural Waste Management, 1994. 32 p.

This book discusses rural solid waste and how several communities have overcome the most common problems.

13

Rural Business Recycling Guidebook: A Guide for Small Businesses in Rural America Interested in Implementing Waste Reduction and Recycling. Midwest Assistance Program, Inc. New Prague, MN: Midwest Assistance Program, 1993. 56 p. NAL Call No.: TD794.5.R87 1993.

Focused on business recycling rather than household recycling, this book offers advice and options for implementing waste reduction and recycling programs at the office. Includes a bibliography.

14

Rural Community Convenience Centers. K. Goodwin, G. Sloggett, G. Doeksen, and J. Fitzgibbon. OSU Extension Facts, No. 894. Stillwater, OK: Cooperative Extension Service, Division of Agriculture, Oklahoma State University, August 1993. 4 p. NAL Call No.: S544.3.0505

This booklet describes the costs and operation of one-stop dropoff centers that are designed for rural residents.

15

Summary of Markets for Recovered Aluminum. Office of Solid Waste. Washington, DC: U.S. Environmental Protection Agency, 1993. 8 p.

This booklet provides clear definitions and explanations of the role of markets in recycling aluminum including: scrap aluminum supply, factors, trends, and demands.

These articles are from popular and scholarly periodicals that either have occasional articles about the alternatives to solid waste disposal or are entirely about waste management. The full text of many of these articles is available through online databases. Check with your employer or local library for availability. It is also important to consult the current *Ulrichs International Periodical Directory* or the *Standard Periodical Directory* for any changes in title, format, publisher, or content of these magazines. These directories may also list other magazines or journals of interest.

Articles

These articles are from popular and scholarly periodicals that either have occasional articles about the alternatives to solid waste disposal or are entirely about waste management. The full text of many of these articles is available through online databases. Check with your employer or local library for availability. It is also important to consult the current *Ulrichs International Periodical Directory* or the *Standard Periodical Directory* for any changes in title, format, publisher, or content of these magazines. These directories may also list other magazines or journals of interest.

1

"10 Steps To Planning Rural Regional Recycling." Debra Siniard Stinnett. *World Wastes*, Vol. 39(1), January 1996, pp. 64-72. NAL Call No.: TD795.S62.

For rural areas, identifying, establishing, and maintaining markets for their recyclables may be a challenge that is not always obvious in the planning stages. This article outlines 10 specific steps for developing a plan and evaluating it. It includes contact information for obtaining a market survey form, recycling industry siting requirements, industry specifications for material processing and quality.

2

"Avoiding a Rural Public Relations Nightmare." Corrie Lynne Player. *World Wastes*, Vol. 40(1) 1997, pp. 62-65. NAL Call No.: TD795.S62.

A case-study of one Midwestern town illustrates the potential problems with siting a new landfill. A four-step plan highlights the public relations tactics to overcome some of the problems. Cooperation between government officials and citizens is the key.

3

"The Best of Both Worlds: A Regional, Flexible HHW Program." Mark W. Davis. *Resource Recycling: North Americas Recycling Journal*, Vol. 15(5), May 1995, pp. 60-67. NAL Call No.: TD794.5.R458.

This article provides an in-depth case study of a regional household hazardous waste (hhw) recycling program for household batteries. The program has been so successful that the task force in charge of it will be using it as a model for other cooperative recycling ventures.

4

"Building Support for Composting in Agriculture." Richard M. Kashmanian. *Biocycle: Journal of Waste Management*, Vol. 35(12), December 1994, pp. 67-70. NAL Call No.: 57.8 C734

This article discusses the involvement of Federal and state agencies, universities, and the private sector in recognizing the importance of agricultural composting in residual management and pollution

prevention.

5

"Changing Solid Waste Systems in Oklahoma." F. Eilrich, G. Sloggett, G. Doeksen, and J. Fitzgibbon. *Current Farm Economics*, Vol. 67(2), June 1994, pp. 3-11. NAL Call No.: HD1775.05C87.

This article discusses three challenges facing rural communities with regard to solid waste management: collection/transportation alternatives for waste, waste stream reduction, and management to minimize roadside dumping. Includes references.

6

"Clinton Urged to see Rural Needs." *Successful Farming - Iowa Edition*, Vol. 91(5), Mid-March 1993, pp. SS2-SS3. NAL Call No.: 6 SU12.

A 1993 study identifies solid waste management as one of the top three needs of rural America.

7

"Collecting Rural Recyclables at the Road." Ted Siegler and Porter Ball. *Resource Recycling: North Americas Recycling Journal*, Vol. 13(2), February, 1994, pp. 57-62. NAL Call No.: TD794.5.R458.

Two rural communities in Vermont, Cornwall and Orwell, were studied to determine which methods of recycling were more effective and more cost-effective. The article describes the methodology and results of the comparisons.

8

"Composting Animal Manure with Municipal Yard Trimmings." Don Wetterauer and Randy Killorn. *Biocycle: Journal of Waste Management*, Vol. 37(10), October 1996, pp. 54-57. NAL Call No.: 57.8 C734.

A two-year study at the Leopold Center for Sustainable Agriculture at Iowa State University investigated the possibilities of composting animal manure and yard waste together. The end result is less landfilling and a marketable compost product.

9

"Conflict at the Rural/Urban Interface: Mushroom

Alternatives to Waste Disposal

Farms and Composting in a Suburbanizing Environment." Timothy Kelsey and Loretta Singletary. *Compost Science Utilization*, Vol. 4(3), Summer 1996, pp. 89-96. NAL Call No.: TD796.5.C58.

This article explores the problems that face mushroom farmers when suburbia encroaches on their farmland. Detailed statistical analysis was performed to look at the relationship between mushroom farming/housing density versus the probability of receiving legal complaints because of factors such as noise, runoff, and odor. Suggestions are given for lessening the impact of the farms on the surrounding neighbors. Includes references.

10
"Constructing Equipment from Recycled Materials." Rip Marston. *Journal of Physical Education, Recreation, & Dance*, Vol. 65(8), October 1994, pp. 44-47.

Creating 'improvised equipment is not only cost-effective but is also a practical way to help children to learn to be more sensitive and responsible about environmental concerns. Constructing low-cost, improvised equipment for a wide range of youth activities from recycled materials is discussed.

11
"Cooperative Marketing Helps Rural Recycling." Lola Schoenrich. *Biocycle: Journal of Waste Recycling*, Vol. 36(2), February 1995, pp. 61-63. NAL Call No.: 57.8 C734.

Cooperative or joint marketing makes recycling feasible for many communities. This article examines some of the 41 operating programs and 17 planned programs in the U.S. and Canada.

12
"Coordinated Organics Reduction." *Biocycle: Journal of Waste Recycling*, Vol. 35(2), February 1994, p. 24. NAL Call No.: 57.8 C734.

This case study explores affordable practical organic waste reduction techniques for small to mid-sized communities.

13
"Creating Markets Close to Home." David Riggle. *Biocycle: Journal of Waste Recycling*, Vol. 35(7), July 1994, pp. 78-82. NAL Call No.: 57.8 C734.

A northern California town created resources from wastes by viewing recyclables as commodities turning geographic isolation to their advantage.

14
"Dont Call It Garbage." Peter Carlson. *The Washington Post Magazine*, January 23, 1994, pp. 8-

13, 20-24.

This article describes 'garbage. There is a \$30 billion industry supported through the collection, processing, recycling, and disposing of garbage. The article also describes the landfill alternatives, the decision makers, the workers who collect it, and its place as a cultural resource in history as studied by archaeologists.

15
"Eight Steps to Country Composting." Debra Siniard Stinnett. *World Wastes*, Vol. 39(3), March 1996, pp. 39-41. NAL Call No.: TD795.S62.

Composting is not always the answer for the organic waste problems of all rural areas. This article sorts out the planning process into eight easy to follow steps to help to determine if it is the most efficient and cost-effective method for a specific area.

16
"Explaining Rural Household Participation in Recycling." Paul M. Jakus, Kelly H. Tiller, and William M. Park. *Journal of Agricultural and Applied Economics*, Vol. 29(1), July 1997, pp. 141-148. NAL Call No.: HD101.S6.

This study, from the University of Tennessee, investigates the "whys and why-nots" of individual household participation in recycling. The general conclusion is that the marketing strategies that promote recycling as good for the earth may be missing the mark. Indications are that households may respond more favorably to marketing focused on the benefit and ease for them. Includes references.

17
"Foraging the Frontiers of Rural Transfer." Lunn Merrill. *World Wastes*, Vol. 39(2), February 1996, pp. 30-36. NAL Call No.: TD795.S62.

The growing trend toward transfer stations in rural areas is leading to an increase in the amount of households that participate and the amount of waste that is handled. This article explores good and bad scenarios from across the country as operators shift their base of operations from landfills to transfer stations, often with a steep learning curve. In the future more recyclables will also be incorporated into these stations.

18
"French Fashion Bottles It All Up." Tara Patel. *New Scientist*, Vol. 144(1947), October 15, 1994, p. 26. NAL Call No.: 472 N2.

This article describes the a new fashion trend: sweaters made from 30 percent wool and 70 percent

recycled polyvinyl chloride (PVC). The source of the PVC is recycled mineral water bottles.

19

"Generation of Recyclables by Rural Households." Paul M. Jakus, Kelly H. Tiller, and William M. Park. *Journal of Agricultural and Resource Economics*, Vol. 21(1), July 1996, pp. 96-107. NAL Call No.: HD1750.W4.

The authors studied the generation of household waste and recycling participation rates in rural areas. Their study showed that the actual or perceived time that it takes to recycle is a major factor in household participation. Conclusions include an analysis of suggestions for improving future study. Includes references.

20

"Green Polystyrene?" Steve Lustgarden. *Vegetarian Times*, Issue 206, October 1994, p. 17.

Divergent views on which is the ecologically more responsible choice are offered by a chemistry professor and a staff member at Bostons Recycling Campaign over the choice of disposable polystyrene foam cups and ceramic mugs.

21

"How to Plan a Rural Transfer Station." Carol Roberts. *World Wastes*, Vol. 40(5), May 1997, pp. 58-62. NAL Call No.: TD795.S62.

North Platte, Nebraska planned and built a transfer station for wastes generated within a 25 mile radius of the facility. This article outlines their experiences.

22

"How To Prepare A Rural Waste Plan." Debra Siniard Stinnett. *World Wastes*, Vol. 38(7), July 1995, pp. 29-38. NAL Call No.: TD795.S62.

This article provides a detailed "how-to" overview for the process of preparing a rural waste plan from beginning to end.

23

"Improving Recycling Through Market Forces." Ruses Martin. *Biocycle: Journal of Waste Recycling*, Vol. 35(10), October 1994, pp. 75-77. NAL Call No.: 57.8 C734.

Florida has imposed a one penny per container fee on specific classes of cans, bottles, and jars in order to create a demand for recovered materials.

24

"Improving Turf with Compost." Peter Landschoot and Andy McNitt. *Biocycle: Journal of Waste Recycling*, Vol. 35(10), October 1994, pp. 54-57. NAL

Call No.: 57.8 C734.

Initial results show that compost is more effective and has less negative effects than fertilizer when applied to turf. Long-term response will need to be established with more testing.

25

"Landfill Reclamation Strategies." Peter Landschoot and Andy McNitt. *Biocycle: Journal of Waste Recycling*, Vol. 35(10), October 1994, pp. 40-44. NAL Call No.: 57.8 C734.

Current landfill projects in Florida, New York, and Pennsylvania are highlighted in this examination of modern landfill reclamation which has resulted in less long-term expense and more useable land.

26

"Low Cost Management Strategies." Bart Sexton. *Biocycle: Journal of Waste Recycling*, Vol. 38(1), January 1997, pp. 58-62. NAL Call No.: 57.8 C734.

This article describes in detail the operation of the composting site in Oneida County, Wisconsin. The residents of the area try to balance backyard composting for household organic waste with the county composting site for industrial and institutional organics.

27

"Managing Municipal Solid Waste in Rural Communities: Regional Landfills Offer Cost Savings." F. J. Dooley, D. A. Bangsund, and F. L. Leistritz. *Choices*, Vol. 9(4), Fourth Quarter 1994, pp. 19-21, 24. NAL Call No.: HD1751.C45.

A cost analysis of North Dakotas solid waste management system serves as a model for rural regional landfill projects in other rural areas. Includes references.

28

"Marketing Incentives to Encourage Household Waste Recycling: Paying For What You Throw Away." James Reschovsky and Sarah Stone. *Journal of Policy Analysis & Management*, Vol. 13(1), Winter 1994, pp. 120-139. NAL Call No.: H1 A3P62.

A natural experiment from a New York county exemplifies the effectiveness of market incentives to encourage household waste reduction. Waste-disposal services were priced according to quantity of waste generated.

29

"Marketing Compost to Commercial Agriculture." Gerard dAquino. *Biocycle: Journal of Waste Recycling*, Vol. 35(10), October 1994, pp. 82-83. NAL Call No.: 57.8 C734.

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Advice for improving the marketability of compost include: involving fertilizer dealers in the process, maximizing product by preserving plant nutrients, and combining waste streams.

30

"Mired in Tires." Mariette DiChrisinta. *Popular Science*, Vol. 245(4), October 1994, pp. 62-64.

This article describes in detail the difficulties associated with disposing of rubber tires. New uses for tires such as burning them as a fuel, adding them as a component in asphalt, and breaking them into their chemical constituents are highlighted.

31

"New Horizons for Commercial Vermiculture." David Riggle and Hannah Holmes. *Biocycle: Journal of Waste Recycling*, Vol. 35(10), October 1994, pp. 58-62. NAL Call No.: 57.8 C734.

Vermiculture is the use of worms in composting. Worm castings have little odor and enhanced microbial activity. Listings of worm sources are provided.

32

"New life for Retired Tires." *Environmental Action*, Vol. 25(4), Winter 1994, pp. 37-38. NAL Call No.: TD172.E53.

Studies have shown that using recycled "crumb" rubber in the resurfacing of roads will last longer than traditional methods. Beginning in 1994 and in accordance with Section 1038 of the Intermodal Surface Transportation Act (ISTEA), five percent of the roads built with Federal funds, will be required to use this method. Beginning in 1997 that requirement will increase to twenty percent.

33

"Not in Whose Backyard? The Ethics of Reporting Environmental Issues." *Mass Communications Review*, Vol. 20(1-2), 1993, pp. 62-75.

This article uses four situations in Georgia to highlight the ethical dilemmas facing reporters who are covering rural waste disposal and treatment stories.

34

"Poultry Industry Finds Added Value in Composting." Richard M. Kashmanian. *Biocycle: Journal of Waste Recycling*, Vol. 36(1), January 1995, pp. 54-57. NAL Call No.: 57.8 C734.

This article explores the increasing trend for mortalities on poultry farms to be composted.

35

"Recycled Household Paints." George Stubbs. *Biocycle: Journal of Waste Recycling*, Vol. 35(10), October 1994, pp. 71-74. NAL Call No.: 57.8 C734.

The Green Paint Company collects, reprocesses, and markets an oil-based recycled paint and a latex-based recycled paint. The process is detailed in this article.

36

"Recycling." Noel Grove. *National Geographic*, Vol. 186(1), July 1994, pp. 92-115. NAL Call No.: 470 N213.

This article discusses new ideas and uses for recycled materials.

37

"Recycling Programs Evolve in Rural Areas." Phil Burgert. *World Wastes*, Vol. 36(11), November 1993, pp. 34-40. NAL Call No.: TD795.S62.

This article describes the challenges facing rural areas that are trying to establish recycling programs. Recycling is not always seen as a "convenient alternative " creating additional public relations problems.

38

"Recycling Strategies in Remote Regions." Bill Carter. *Biocycle: Journal of Waste Recycling*, Vol. 35(11), November 1994, pp. 52-54. NAL Call No.: 57.8 C734.

Cooperation among rural areas is the key to a successful rural recycling program.

39

"Regional Coordination for Processing of Recyclables from Rural Areas: A Case Study of the First Tennessee Development District." W.M. Park, J.D. Holt, and R. Roberts. *SRDC Series -- Southern Rural Development Series*, No. 30, April 1993, pp. 39-49, 51-52. NAL Call No.: HT401.S72.

This case-study highlights an integrated multi-county recycling system in a rural-urban area of Tennessee. Areas covered include: an overview, citizen participation, estimated costs, and "tradeoffs" for each county.

40

"Rural Counties Process Plastics with Mobile Baler." Caroline Mixon. *Resource Recycling: North Americas Recycling Journal*, Vol. 15(8), August 1996, pp. 58-60. NAL Call No.: TD794.5.R458.

This article describes the construction and operation of a truck mounted mobile baler for HPDE and PET plastics. The program was so successful in six rural counties in Arkansas that they have moved on to

more conventional plastics recycling and the mobile baler has moved on to establish a similar program rural Georgia.

41

"Rural Recycling: Going the Distance." Robert Steuteville. *Biocycle: Journal of Waste Recycling*. Vol. 35(2), February 1994, pp. 58-61. NAL Call No.: 57.8 C734.

Reasonably priced waste diversion through curbside and dropoff systems for recycling in rural areas are highlighted.

42

"Rural Recycling Thrives on Teamwork, Resourcefulness, and Homegrown Vision." Gretchen Brewer. *Resource Recycling: North Americas Recycling Journal*, Vol. 13(1), January 1994, pp. 52-58. NAL Call No.: TD794.5.R458

This article details the planning and operation of the successful recycling program in Pierce County, Wisconsin. In five years the county jumped from no recycling to a twenty percent participation rate.

43

"Standards and Guidelines for Compost Use." Ronald A. Alexander. *Biocycle: Journal of Waste Recycling*, Vol. 35(12), December 1994, pp. 37-40. NAL Call No.: 57.8 C734.

The State of Florida and The Composting Council have teamed up to set guidelines to match compost production and end use. They perceived a need at both a state and local level to standardize compost quality, improve its market, and promote successful use.

44

"Take the Recycled Office Furniture Market Seriously." Marilyn Zelinsky. *Interiors: For the Contract Design Professional*, Vol. 153(10), October 1994, p. 22.

This article outlines the growing recycled office furniture market.

45

"Taking the Innovative Approach to Waste Hauling." Robert Steuteville. *Biocycle: Journal of Waste Recycling*, Vol. 34(10), July 1993, pp. 38-39. NAL Call No.: 57.8 C734.

A tag-based fee system is compared to a bag system for waste disposal in a small town environment. The author describes the tag-system as practical and convenient.

46

"Trends in Curbside Recycling." Robert Steuteville, Jay Freeborne, and Fulton Rockwell. *Biocycle: Journal of Waste Recycling*, Vol. 35(7), July 1994, pp. 30-35, 72, 74-75. NAL Call No.: 57.8 C734.

Results of a *Biocycle* survey are reported in this article. The survey included collection methods, vehicles, bins, costs, and materials. Two-thirds of those surveyed used a one-person collection crew.

47

"The Use of Recycled Materials in Highway Construction." Robin Schroeder. *Public Roads*, Vol. 58(2), Autumn 1994, pp. 32-41. NAL Call No.: 1 R53P.

Waste materials are being used as components in building and highway materials in innovative programs.

48

"What Happens . . . To All That Stuff?" Kenneth Bigham. *Current Health*, Vol. 153(10), October 1994, pp. 21-23.

Recycling procedures for a variety of materials are discussed. Benefits of recycling such as energy savings, more jobs, and a safer environment are highlighted.

Offices, Associations & Organizations

Environmental Protection Agency (EPA) Regional Offices

The Environmental Protection Agency, specifically the Office of Solid Waste Management, is a resource on topics related to solid waste management for individuals and communities. The *Catalogue of Hazardous and Solid Waste Publications* is a list of useful publications. Many of these publications are available at no charge. For more information, call the RCRA/Superfund Hotline at: 800-424-9345. Hearing impaired may call: 800-553-7672 TDD.

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Boston, MA 02203
(617) 573-5720

<http://www.epa.gov/region01>

U.S. EPA Region 2

(New Jersey, New York, Puerto Rico, Virgin Islands)

290 Broadway, 26th Fl.
New York, NY 10007-1866
(212) 637-5000

<http://www.epa.gov/Region2>

U.S. EPA Region 3

(Delaware, Maryland, Pennsylvania, Virginia, West Virginia, District of Columbia)

841 Chestnut St.
Philadelphia, PA 19107
(215) 566-5000

<http://www.epa.gov/region03>

U.S. EPA Region 4

(Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)

Atlanta Federal Center
61 Forsyth St., SW
Atlanta, GA 30303-3104
(404) 562-9900
(800) 241-1754

<http://www.epa.gov/region4/reg4.html>

U.S. EPA Region 5

(Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)

77 W. Jackson Blvd.
Chicago, IL 60604
(312) 353-2000

<http://www.epa.gov/Region5>

U.S. EPA Region 6

(Arkansas, Louisiana, New Mexico, Oklahoma, Texas)

First Interstate Bank Tower
1445 Ross Ave.
Dallas, TX 75270-2733

(214) 665-2200

<http://www.epa.gov/earth1r6>

U.S. EPA Region 7

(Iowa, Kansas, Missouri, Nebraska)

726 Minnesota Ave.
Kansas City, KS 66101
(913) 551-7050

<http://www.epa.gov/rgytgrnj>

U.S. EPA Region 8

(Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming)

Denver Place
999 18th St., Suite 500
Denver, CO 80202-2466
(303) 312-6312
(800) 227-8917

<http://www.epa.gov/unix0008>

U.S. EPA Region 9

(Arizona, California, Hawaii, Nevada, American Samoa, Guam, Northern Mariana Islands, Palau, Micronesia, Marshall Islands)

75 Hawthorne St.
San Francisco, CA 94105
(415) 744-2074
(800) 231-3075
<http://www.epa.gov/region09>

U.S. EPA Region 10

(Alaska, Idaho, Oregon, Washington)

1200 Sixth Ave.
Seattle, WA 98101
(206) 553-1200
(800) 424-4EPA
<http://www.epa.gov/r10earth>

Rural Information Center Publication Series

State Environmental Offices

Alabama

Department of Environmental Management
Solid Waste Division
P.O. Box 301463
1751 Congressmen Dickinson Dr.
Montgomery, AL 36130-1463
(334) 271-7771

Alaska

Department of Environment Conservation
Solid Waste Program
410 Willoughby Ave.
Juneau, AK 99811-1795
(907) 465-5150

Arizona

Office of Environmental Quality
Waste Programs
3033 N. Central Ave.
Phoenix, AZ 85012
(602) 207-2300

Arkansas

Department of Pollution Control & Ecology
Solid Waste Division
8001 National Dr.
Little Rock, AR 72209
(501) 682-0744

California

Integrated Waste Management Board
8800 Cal Center Dr.
Sacramento, CA 95826
(916) 255-2182
(800) 553-2962 - Consumer Information Hotline

Colorado

Environmental Office
4300 Cherry Creek Dr., South
Denver, CO 80246-1530
(303) 692-3300

Connecticut

Department of Environmental Protection
Waste Management Bureau
79 Elm St.
Hartford, CT 06106-5127
(860) 424-3021
(800) 842-2220

Delaware

Department of Natural Resources
Solid Waste Management Section
Division of Air & Waste Management
89 Kings Highway
Dover, DE 19903
(302) 739-3820

District of Columbia

Department of Energy
Office of Recycling
65 K St.
Washington, DC 20002
(202) 727-5856

Florida

Department of Environmental Regulation
Solid & Hazardous Waste Section
Twin Towers Office Building
2600 Blair Stone Rd., Rm. 350
Tallahassee, FL 32399-2400
(904) 488-0300

Clean Florida Commission
5600 Blair Stone Rd.
Tallahassee, FL 32399-0405
(904) 488-2756
(800) BAN-TRASH

Georgia

Department of Natural Resources
205 Butler St., SE, Ste. 1252
Atlanta, GA 30334
(404) 656-3500

Georgia Department of Natural Resources
Solid Waste Management Program
4244 International Parkway, Ste. 104
Atlanta, GA 30354
(404) 362-2692

Hawaii

Department of Health
Environmental Health Administration
Solid & Hazardous Waste Branch
919 Ala-Moana Blvd., Rm. 212
Honolulu, HI 96814
(808) 586-4226

Idaho

Department of Health and Welfare
Division of Environmental Quality
1410 N. Hilton Statehouse Mail
Boise, ID 83706-9000
(208) 334-0502

Illinois

Waste Management Research
1 E. Hazelwood Dr.
Champaign, IL 61820
(217) 333-9000

Indiana

Environmental Management Department
Solid & Hazardous Waste Management Office

Alternatives to Waste Disposal

P.O. Box 6015
100 N. Senate Ave., Rm. N1154
Indianapolis, IN 46206-6015
(317) 232-3210

Indiana Department of Environmental Management
Office of Pollution Prevention and Technical
Assistance
P.O. Box 6015
100 N. Senate Ave.
Indianapolis, IN 46206-6015
(317) 232-8172
(800) 451-6027

Iowa

Department of Natural Resources
Waste Management Assistance
Wallace State Office Building
900 E. Grand Ave.
Des Moines, IA 50319-0034
(515) 281-4367

Kansas

Department of Health & Environment
Solid Waste Division
Forbes Field
Building 740
Topeka, KS 66620
(913) 296-1609

Kentucky

Environmental Protection Department
Waste Management Division
Fort Boone Plaza
14 Reilly Rd.
Frankfort, KY 40601
(502) 564-6716

Louisiana

Department of Environmental Quality
Division of Solid Waste
P.O. Box 82263
Baton Rouge, LA 70884-2263
(504) 765-0645

Maine

Environmental Protection Department
Hazardous Materials & Solid Waste Control Bureau
17 State House Station
Augusta, ME 04333-0017
(207) 287-2651

Maryland

Department of the Environment
Office of Waste Minimization and Recycling
2500 Broening Highway
Baltimore, MD 21224
(410) 631-3315

Massachusetts

Department of Environmental Protection
Division of Solid Waste Management
1 Winter St.
Boston, MA 02108
(617) 292-5960

Michigan

Department of Environmental Quality
Waste Management Division
P.O. Box 30241
Lansing, MI 48909
(517) 373-9523

Minnesota

Office of Environmental Protection
520 Lafayette Rd., 2nd Fl.
St. Paul, MN 55155
(612) 296-3417

Mississippi

Pollution Control Bureau
Non-Hazardous Waste Branch
P.O. Box 10385
Jackson, MS 39289-0385
(601) 961-5047

Missouri

Environmental Quality Division
Solid Waste Management Program
P.O. Box 176
Jefferson City, MO 65102-0176
(573) 751-5401

Montana

Solid Waste Management
1520 E. 6th Ave.
Helena, MT 59620-0901
(406) 444-4400

Nebraska

Department of Environmental Quality
1200 N. St., Ste. 400
Lincoln, NE 68508-8922
(402) 471-2186

Nevada

Division of Environmental Protection
Department of Conservation & Natural Resources
123 West Nye Lane
Carson City, NV 89710
(702) 667-4360

New Hampshire

Waste Management Division
Department of Environmental Service
Health & Welfare Building
6 Hazen Dr.
Concord, NH 03301

Rural Information Center Publication Series

(603) 271-2900

New Jersey

Department of Environment Protection
Division of Solid & Hazardous Waste
401 E. State St.
P.O. Box 414
Trenton, NJ 08625
(609) 984-6880

New Mexico

Environmental Department
Solid Waste Bureau
P.O. Box 26110
Santa Fe, NM 87502
(505) 827-2775

New York

Department of Environmental Conservation
Division of Solid Waste & Hazardous Materials
50 Wolf Rd., Rm. 488
Albany, NY 12233-7250
(518) 457-6934

North Carolina

Department of Environment, Health, & Natural Resources
P.O. Box 27687
Raleigh, NC 27611-7687
(919) 715-4140

North Dakota

Department of Health
Division of Waste Management
P.O. Box 5520
Bismarck, ND 58502-5520
(701) 328-5166

Ohio

Environmental Protection Agency
P.O. Box 1049
Columbus, OH 43216-1049
(614) 644-2917

Oklahoma

Environmental Quality Department
Solid Waste Management Service
1000 NE 10th St.
Oklahoma City, OK 73117-1212
(405) 271-7041

Oregon

Department of Environmental Quality
Waste Reduction Section
811 SW 6th Ave.
Portland, OR 97204
(503) 229-6165

Pennsylvania

Department of Environmental Protection

Land, Recycling, and Waste Management Bureau
P.O. Box 8471
Harrisburg, PA 17105-8471
(717) 787-9870

Rhode Island

Department of Environmental Management
235 Promenade St.
Providence, RI 02908
(401) 277-2797

South Carolina

Environmental Health Control
Solid & Hazardous Waste Management Bureau
2600 Bull St.
Columbia, SC 29201
(803) 896-4000

South Dakota

Department of Environment & Natural Resources
Office of Waste Management Programs
523 E. Capital Ave.
Pierre, SD 57501
(605) 773-3153

Tennessee

Environmental and Conservation Department
Division of Solid Waste Management
401 Church St., 5th Fl.
Nashville, TN 37243
(615) 532-0780

Texas

Natural Resource Conservation Commission
Municipal Solid Waste Division
P.O. Box 13087
Austin, TX 78711-3087
(512) 239-6695

Utah

Environmental Services Bureau
288 N. 1460 W.
Salt Lake City, UT 84114-2874
(801) 538-6856

Vermont

Natural Resources Agency
Waste Management Division
103 S. Main St.
Waterbury, VT 05671-0401
(802) 241-3888

Virginia

Natural Resources Office
Environmental Quality Department
Waste Division
629 E. Main St.
Richmond, VA 23219
(804) 698-4155

Alternatives to Waste Disposal

Washington

Department of Ecology
Office of Waste Management
P.O. Box 47600
Olympia, WA 98504-7600
(360) 407-6103

West Virginia

Office of Water Management
Environmental Protection Division
1356 Hansford St.
Charleston, WV 25301
(304) 558-6350

Wisconsin

Department of Natural Resources
Bureau of Solid & Hazardous Waste Management
P.O. Box 7921
Madison, WI 53707-7921
(608) 266-2121

Wyoming

Solid Waste Management Program
Department of Environmental Quality
122 W. 25th St.
Cheyenne, WY 82002
(307) 777-7752

Associations and Organizations

Air and Waste Management Association

1 Gateway Center, 3rd Fl.
Pittsburgh, PA 15222
(412) 232-3444
<http://www.awma.org>

Alliance of Foam Packaging Recyclers (AFPR)

2124 Priest Bridge Rd., Suite 19
Crofton, MD 21114
(800) 944-8448
E-mail: bdecampo@aol.com
<http://www.espackaging.org>

Aluminum Recyclers (Smelters) Association

1000 16th St., NW, Suite 603
Washington, DC 20036
(202) 785-0951

American Iron and Steel Institute

1101 17th St., NW, 13th Fl.
Washington, DC 20036
(202) 452-7100
<http://www.steel.org>

American Forest & Paper Association

Forest & Paper Information Line
1111 19th St., NW, Suite 800
Washington, DC 20036
(800) 878-8878

E-mail: info@afandpa.ccmil.compuserv.com
<http://www.asandpa.org>

American Plastics Council

1275 K St., NW
Washington, DC 20005
(800) 243-5790
<http://www2.plasticsresource.com/Docs/apc/home.htm>
<http://www2.plasticsresource.com/Docs/apc/home.htm>

American Public Works Association

2345 Grand Blvd.
Kansas City, MO 64108
(816) 472-6100
(800) 848-2792
<http://www.pubworks.org>
(800) 848-2792

Aseptic Packaging Council

P.O. Box 25565
Washington, DC 20036
(800) 277-8088
<http://www.aseptic.org>

Asphalt Recycling and Reclaiming Society

3 Church Circle, Ste. 250
Annapolis, MD 21401
(410) 267-0023
E-mail: 74603.3345@compuserv.com

Rural Information Center Publication Series

Association of Petroleum Re-Refiners

P.O. Box 584
Buffalo, NY 14231
(716) 631-8246
E-mail: gtbiii@earthlink.net

Association of State and Territorial Solid Waste Management Officials

444 N. Capital St., NW, Suite 388
Washington, DC 20001
(202) 624-5828
<http://www.atswmo.org>

Automotive Dismantlers and Recyclers Association

3975 Fair Ridge Dr., Suite 20 N
Fairfax, VA 22033
(703) 385-1001
<http://www.autorecyc.org>

Coalition of Northeastern Governors

400 N. Capital St., NW
Washington, DC 20001
(202) 624-8450

Compost Council

114 S. Pitt St.
Alexandria, VA 22314
(703) 739-2401
E-mail: comcouncil@aol.com

Council for Textile Recycling

7910 Woodmont Ave., Ste. 1212
Bethesda, MD 20814
(301) 718-0671
<http://www.smartasn.org>

Environmental Defense Fund

257 Park Ave., S
New York, NY 10010
(212) 505-2100
E-mail: members@edf.org
<http://www.edf.org>

Foodservice and Packaging Institute

1901 N. Moore St., Ste. 918
Arlington, VA 22209
(703) 527-7505
E-mail: foodserv@crosslink.net
<http://www.webplus.net/fpi>

Glass Packaging Institute

1627 K St., NW, Ste 800
Washington, DC 20006
(202) 887-4850
<http://www.gpi.org>

Institute for Local Self Reliance

2425 18th St., NW
Washington, DC 20009

(202) 232-4108
E-mail: ilsrl@igc.apc.org
<http://www.ilsr.org>

Institute of Scrap Recycling Industries

1325 G St., NW
Washington, DC 20005-3104
E-mail: 104521.2345@compuserv.com
<http://www.isri.org>

Keep America Beautiful

1010 Washington Blvd.
Stamford, CT 06902
(203) 323-8987
E-mail: keepamerbe@aol.com
<http://www.kab.org>

Lead Industries Association

295 Madison Ave.
New York, NY 10017
(212) 578-4750
E-mail: miller@leadinfo.com
<http://www.leadinfo.com>

Local Government Commission

909 12th St., Ste. 205
Sacramento, VA 95814
E-mail: lgc@bbs.macnexus.org
<http://www.lgc.org>

National Association for Plastic Container Recovery

100 N. Tryon St., Ste. 3770
Charlotte, NC 28202
(704) 358-8882
E-mail: napcor@compuserv.com
<http://www.napcor.com>

National Association of Counties

440 First St., NW
Washington, DC 20001
(202) 393-6226
<http://www.naco.org>

National Association of Towns and Townships

444 N. Capital St., NW, Ste. 294
Washington, DC 20001
(202) 624-3550
E-mail: natat@sso.org
<http://www.natat.org>

National League of Cities

1301 Pennsylvania Ave., NW, Ste. 550
Washington, DC 20004
(202) 626-3000
<http://www.nlc.org>

National Oil Recyclers Association

12429 Cedar Rd., Ste. 26
Cleveland, OH 44106-3172

Alternatives to Waste Disposal

(216) 791-7316
E-mail: noraoil@compuserv.com
<http://www.noraoil.com>

National Soft Drink Association

Solid Waste Management Department
1101 16th St., NW
Washington, DC 20036
(202) 463-6700
<http://www.nstda.org>

National Solid Waste Institute

10928 N. 56th St.
Tampa, FL 33617
(813) 985-3208

National Solid Waste Management Association

4301 Connecticut Ave., NW, Ste. 300
Washington, DC 20008
(202) 244-4700
<http://www.envasns.org>

National Tire Dealers and Retreaders Association

11921 Freedom Dr., Ste. 550
Reston, VA 20190
(202) 789-2300

Scrap Tire Management Council

1400 K St., NW, Ste. 900
Washington, DC 20005
(202) 682-4824

Solid Waste Association of North America

1100 Wayne Ave., Ste. 700
Silver Spring, MD 20907
(301) 585-2898
E-mail: technical_services@swana.org
<http://www.swana.org>

Steel Recycling Institute

Foster Plaza
680 Anderson Dr.
Pittsburgh, PA 15220
(800) 876-7274
E-mail: sri@recycle-steel.org
<http://www.recycle-steel.org>

Tire Retread Information Bureau

900 Weldon Grove
Pacific Grove, CA 93950
(408) 372-1917
E-mail: retreads@aol.com
<http://www.retread.org>

U.S. Conference of Mayors

1620 I St., NW, 4th Fl.
Washington, DC 20006
(202) 293-7330
<http://www.usmayors.org/uscm>

Vinyl Environmental Resource Center

1 Cascade Plaza, 19th Fl.
Akron, OH 44308
(800) 969-8469
<http://www.vinylinfo.org/resourcectr.html>

Vinyl Institute

65 Madison Ave.
Morristown, NJ 07960
(973) 898-6699
<http://www.vinylinfo.org>

Journals

These journals and newsletters are listed to illustrate the variety available. Check with a library for other journals and publications of specific interest.

Biocycle: Journal of Composting and Recycling

J.G. Press, Inc.
419 State Ave.
Emmaus, PA 18049
(610) 967-4135

CWMI Update

Cornell Waste Management Institute
Center for the Environment
100 Rice Hall
Cornell University
Ithaca, NY 14953-5601
(607) 255-1187

Composting News

1327 Holland Rd.
Cleveland, OH 44142
(216) 362-7979

Fiber Market News

G.I.E. Publishing Inc.
4012 Bridge Ave.
Cleveland, OH 44113-3320
(216) 961-4130

Green Market Alert

1450 Don Mills Rd.
Don Mills, Ontario
Canada
M3B 2X7
(416) 445-6641

MTJ Recycling Markets

N.V. Business Publishers Corp.
2970 Marion Executive Center
Northbrook, IL 60062
(708) 498-5850

Offical Board Markets

Advastar Communications, Inc.
7500 Old Oak Blvd.
Cleveland, OH 44130
(216) 836-2839

Plastics Recycling Update

Resource Recycling, Inc.
P.O. Box 10540
Portland, OR 97210
(503) 227-1319

PlasticsNews

Crain Communications
1725 Merriman Rd.

Akron, OH 44313-3185
(216) 836-9180

Pulp & Paper

Miller-Freeman Pubs.
600 Harrison St.
San Francisco, CA 94107
(415) 905-2200

Recycling Manager

Chilton Pubs.
825 7th Ave.
New York, NY 10019
(212) 887-8532

Recycling Times

Environmental Industry Associations
4301 Connecticut Ave., NW, Suite 300
Washington, DC 20008
(202) 244-4700

Recycling Today

G.I.E. Inc., Pubs.
4012 Bridge Ave.
Cleveland, OH 44113
(216) 961-4130

Resource Recovery Report

5313 38th St., NW
Washington, DC 20015
(202) 362-6034

Resource Recycling, Inc.

Box 10540
Portland, OR 97210
(503) 227-1319

Reusable News

U.S. Environmental Protection Agency
401 M St., SW (5305W)
Washington, DC 20460
(write for subscription)

Scrap Processing and Recycling

1325 G. St., NW, Suite 1000
Washington, DC 20005
(202) 466-4050

Scrap Tire News

Recycling Research Institute
133 Mountain Rd.
Suffield, CT 06078

Alternatives to Waste Disposal

(203) 668-5422

Solid Solutions

The Solid Waste Association of North America
Box 7219
Silver Spring, MD 20910
(301) 585-2898

State Recycling Laws Update

Raymond Communications
6429 Auburn Ave.
Riverdale, MD 20737-1614
(301) 345-4237

Vision

Keep America Beautiful, Inc.
Mill River Plaza
9 W. Broad St.
Stamford, CT 06902
(203) 323-8987

Waste Dynamics of the Northeast

Business Pubs. Inc.
150 Dow St.
Manchester, NH 03101-1227
(603) 624-1442

Funding

These materials represent a sampling of funding manuals, databases, and guides that are available. For additional sources, please check with a library, bookstore, or call the Rural Information Center at the National Agricultural Library for a *Guide to Funding Resources*, at 800-633-7701.

General Funding Resources

Catalog of Federal Domestic Assistance.

Washington, DC: Executive Office of the President, Office of Management and Budget, and U.S. General Services Administration.

This *Catalog* provides extensive coverage of all federal domestic programs and includes listings of federal agencies by department. The catalog can also be searched from the World Wide Web at <http://www.gsa.gov/fdac>

Annual Register of Grant Support: A Directory of Funding Sources, 1997. 30th ed. New Providence, NJ: R.R. Bowker.

The *Annual Register* lists more than 3,000 U.S. and foreign grant sources. It includes foundations, corporate giving programs, educational associations, federal agencies, church organizations, professional associations, and social service organizations.

Federal Assistance Programs Retrieval System (FAPRS)

FAPRS is a menu-driven system that offers complete text searching of the *Catalog of Federal Domestic Assistance*. Funding sources included on FAPRS may be obtained by calling the Rural Information Center at the National Agricultural Library.

The Chronicle of Philanthropy. Washington, DC: The Chronicle of Philanthropy.

This bi-monthly series contains news articles, a list of new grants, summaries of annual foundation reports, software reviews, and other philanthropic news.

Corporate Giving Directory. Bohdan R. Romaniuk, ed. Washington, DC: The Taft Group.

Comprehensive profiles of more than 600 major corporate foundations and corporate charitable giving programs are given. Customized versions are available on diskette and magnetic tape.

Federal Funding Programs

This is a partial list of funding programs available

through the U.S. Federal Government for solid waste management and related environmental programs. For more information about these and other federal financial and non-financial assistance programs for solid waste projects, consult the *Catalog of Federal Domestic Assistance*, or the *Federal Assistance Programs (FAPRS)* Database.

These federal funding programs, from the *Catalog of Federal Domestic Assistance*, are listed by the department and agency responsible for administering the program, and then, by the agency program number and the program title. Information contacts are provided for each program. For more information, contact the Rural Information Center at the National Agricultural Library to request the bibliography: A *Guide to Funding Resources*. The number for the Rural Information Center is: 800-633-7701.

DEPARTMENT OF AGRICULTURE, RURAL UTILITIES SERVICE

10.760 Water and Waste Disposal Systems for Rural Communities

Objectives: To provide basic human amenities, alleviate health hazards and promote growth of the rural areas of the national by meeting the need for new and improved rural water and waste disposal facilities.

Information contact:

USDA Rural Development regional or local offices, or:

For information concerning grant applications and procedures:

Assistant Administrator, Water and Waste
Rural Utilities Service
Department of Agriculture
Washington, DC 20250

DEPARTMENT OF THE INTERIOR, BUREAU OF INDIAN AFFAIRS

15.056 Waste Management - Indian Lands

Objectives: To conduct surveys of Bureau of Indian Affairs controlled Federal lands and facilities, and of Indian lands, in order to identify hazardous waste sites, evaluate the potential threat to health and the

Alternatives to Waste Disposal

environment, and develop the necessary remedial actions; to train area, agency and tribal staff in waste management principles; and to respond to emergencies and alleviate adverse health or environmental impacts.

Information Contact:

Bureau of Indian Affairs regional or local offices, or:

For information concerning grant applications and procedures:

Office of Trust Responsibilities
Branch of Environmental Service
Bureau of Indian Affairs
1849 C St., NW, MS-4510 MIB
Washington, DC 20240.

ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE

66.801 Hazardous Waste Management State Program Support

Objectives: To assist State governments in the development and implementation of an authorized hazardous waste management program for the purpose of controlling the generation, transportation, treatment, storage and disposal of hazardous wastes.

Information Contact:

EPA Regional or Local Offices, or:

For information concerning preapplication coordination an application procedures, contact:
EPA Headquarters Office
Grants Administration Division, PM-216
Washington, DC 20460.

For State program information on Section 3011 of RCRA, contact:
EPA OS-32
Office of Solid Waste
Washington, DC 20460.

66.807 Superfund Innovative Technology Evaluation Program (SITE)

Objectives: To establish a comprehensive and coordinated Federal program of research, development and demonstration of the purpose of promoting the development of alternative and innovative treatment technologies that can be used in response actions under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) program and to provide incentives for the development and use of such technologies.

Information Contact:

EPA Regional or Local Offices, or:

Requests for assistance, contact:
EPA SITE Demonstration and Evaluation Branch Risk
Reduction Engineering Laboratory
26 W. Martin Luther King St.
Cincinnati, OH 45268.

66.808 Solid Waste Management Assistance

Objectives: To promote use of integrated solid waste management systems to solve municipal solid waste generation and management problems at the local, regional and national levels.

Information Contact:

Regional or Local Office, or:

For information concerning grant applications and procedures, contact:
EPA Headquarters Office,
Grants Administration Division, PM-216
Washington, DC 20460.

For program information, contact:
EPA Solid Waste management Program
Office of Solid Waste OS-301
Washington, DC 20460.

Private Funding Sources

This list of a few organizations that provide funding for solid waste disposal and environmental projects is provided to illustrate the variety of funding sources available. Some organizations have geographic or other restrictions when considering funding applications. For current information and details about these organizations and the many others that provide funding, check the latest foundation or corporate giving directories (such as: *The Foundation Directory* or the *Corporate Giving Directory*), or conduct an online search of funding databases.

AT&T Foundation

P.O. Box 45284, Dept. BR
Jacksonville, FL 32232-5284
(904) 636-3898

The Ben & Jerry's Foundation

30 Community Dr.
South Burlington, VT 05403-6828
(802) 651-9600
<http://www.benjerry.com/foundation/index.html>

The C.S. Fund

Rural Information Center Publication Series

469 Bohemian Highway

Freestone, CA 95472

(707) 874-2942

Information may be requested by sending e-mail to:

brochure@csfund.org

The David and Lucile Packard Foundation

300 Second St., Suite 200

Los Altos, CA 90422

(415) 948-7658

<http://www.packfound.org>

Dow Corning Corporate Contributions Program

Midland, MI 48686-0994

(517) 496-6290

DuPont Corporation Contributions Program

9541 Nemours Building

Wilmington, DE 19898

(302) 774-2036

Edwin W. and Catherine M. Davis Foundation

332 Minnesota St., Suite 2100

St. Paul, MN 55101

(612) 228-0935

The Gap Corporate Giving Program

One Harrison St.

San Francisco, CA 94105

(415) 291-2757

<http://www.gap.com/company/community.html>

The Joyce Foundation

135 S. LeSalle St., Suite 4010

Chicago, IL 60603

(312) 782-2464

Sondra & Charles Gilman, Jr. Foundation Inc.

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